Attorney Name: Roger R. Wise Tel.: (213) 488-7100 Docket No.: 51270-305422

REPLACEMENT SHEET

1. SOUND RECORDING/REPRODUCING APPARATUS

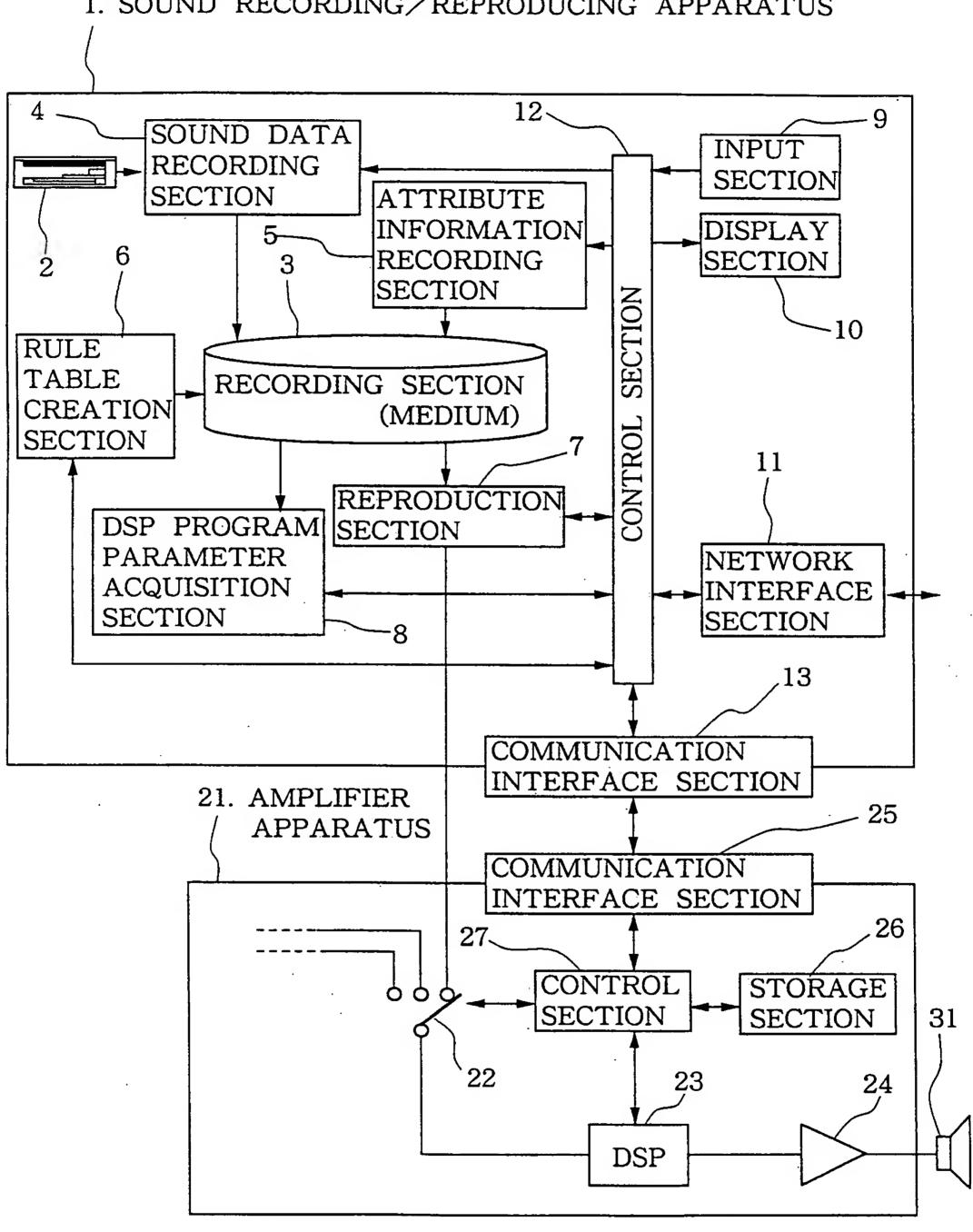


FIG. 1

PILLSBURY WINTHROP SHAW PITTMAN LLP Serial No.: 10/643,422 - Confirmation No. 4553 Group Art Unit: 2627 Title: SOUND RECORDING/REPRODUCING.... Attorney Name: Roger R. Wise Tel.: (213) 488-7100 Docket No.: 51270-305422 REPLACEMENT SHEET START S1 RECORD SOUND DATA ONTO RECORDING MEDIUM S2 RECORDING OF ALL NO MUSIC PIECES COMPLETED **S**3 YES RECORD ATTRIBUTE INFORMATION ONTO RECORDING MEDIUM S4 CREATE RULE TABLE **END** FIG. 2 -100 MUSIC PIECE ml; ARTIST rl ARTIST r2 -MUSIC PIECE m2 ALBUM al ARTIST r3 MUSIC PIECE m3 MUSIC PIECE m4 ALBUM a2 GENRE j1 MUSIC PIECE m5 GENRE j2 MUSIC PIECE m6 MUSIC PIECE m7 ALBUM a3 GENRE j3 MUSIC PIECE m8

FIG. 3

Group Art Unit: 2627 Title: SOUND RECORDING/REPRODUCING....

Attorney Name: Roger R. Wise

Tel.: (213) 488-7100 Docket No.: 51270-305422

REPLACEMENT SHEET

_101. MUSIC PIECE RULE TABLE

FIG. 4A

1		, , ,
MUSIC	DSP PROGRAM	MODEL
PIECE ID	PARAMETER	ID
1	HALL	1
4	CHURCH	1
8	JAZZ	1
,	į	!
'	1	'

C102. ALBUM RULE TABLE

FIG. 4B

	DSP PROGRAM	MODEL
ID	PARAMETER	110
2	OFF	1
5	5 ADVENTURE	
9 GENERAL		1
!		
		;

~103. ARTIST RULE TABLE

ARTIST DSP PROGRAM		MODEL	
ID	PARAMETER	ID	
3 HALL		1	
6	JAZZ	1	
7	OFF	1	
1	I		
į	i	'	

104. GENRE RULE TABLE

GENRE	DSP PROGRAM	MODEL
ID	PARAMETER	ID
2	GENERAL	1
3	HALL	1
5	JAZZ	1
		1

FIG. 4C

FIG. 4D

Attorney Name: Roger R. Wise Tel.: (213) 488-7100 Docket No.: 51270-305422 REPLACEMENT SHEET START S11 SELECT EACH MUSIC PIECE TO BE REPRODUCED S12 IS SELECTOR CURRENTLY NO SELECTING RECORDING/REPRODUCING APPRATUS ? S13 YES S14 ACQUIRE DSP PROGRAM PARAMETER SET DSP PROGRAM PARAMETER READ OUT SOUND DATA S15 S16 HAS SELECTOR SHIFTED NO TO RECORDING/REPRODUCING APPARATUS ? **S17** YES **S18** ACQUIRE DSP PROGRAM PARAMETER SET DSP PROGRAM PARAMETER ·S19 NO EFFECT PROCESS CHANGED ? S20 YES UPDATE MUSIC PIECE RULE TABLE S21 REPRODUCTION NO OF MUSIC PIECE COMPLETED YES **\$22** REPRODUCTION NO OF ALL THE MUSIC PIECES COMPLETED ? YES FIG. 5 **END**

PILLSBURY WINTHROP SHAW PITTMAN LLP Serial No.: 10/643,422 - Confirmation No. 4553 Group Art Unit: 2627 Title: SOUND RECORDING/REPRODUCING....

Group Art Unit: 2627

Title: SOUND RECORDING/REPRODUCING....

Attorney Name: Roger R. Wise Tel.: (213) 488-7100 Docket No.: 51270-305422 REPLACEMENT SHEET

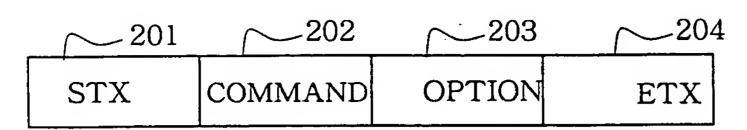


FIG. 6A

301	302	303	304	305	306
STX			EFFECT ON/OFF	DSP PROGRAM	ETX

FIG. 6B

105. DSP PROGRAM CODE TABLE

· · · · · · · · · · · · · · · · · · ·		
DSP	MODEL ID "1"	MODEL ID "2"
PROGRAM	DSP PROGRAM	DSP PROGRAM
CODE	PARAMETER	PARAMETER
0	HALL A	HALL
1	HALL B	CHURCH
2	CHURCH A	JAZZ
3	CHURCH B	SCI – FI
4	JAZZ	ADVENTURE
5	ROCK	GENERAL
6	SCI – FI	-
7	ADVENTURE	
8	GENERAL	-

FIG. 7

_106. DSP PROGRAM CODE TABLE

DSP	DSP
PROGRAM	PROGRAM
CODE	PARAMETER
0	HALL A
1	HALL B
2	CHURCH A
3	CHURCH B
4	JAZZ
5	ROCK
6	SCI – FI
7	ADVENTURE
8	GENERAL

FIG. 8

Group Art Unit: 2627 Title: SOUND RECORDING/REPRODUCING....

Attorney Name: Roger R. Wise Tel.: (213) 488-7100 Docket No.: 51270-305422 REPLACEMENT SHEET

-107. INPUT CODE TABLE

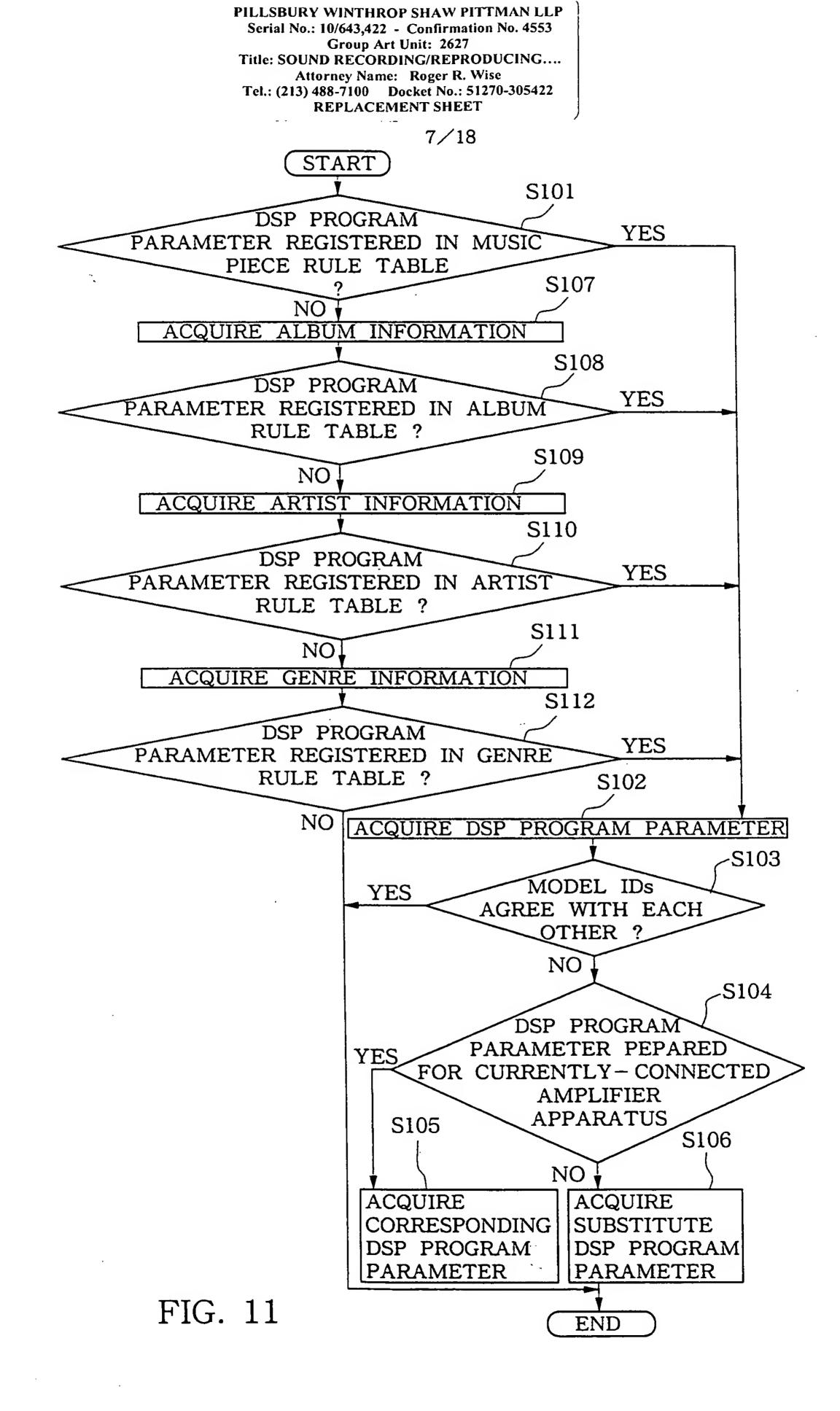
/		
INPUT CODE	MODEL ID "1" INPUT SELECTOR SELECTION INPUT TERMINAL	MODEL ID "2" INPUT SELECTOR SELECTION INPUT TERMINAL
0	CD	CD
1	MD	MD
2	DVD	DVD
3	TUNER	VIDEO
4	VIDEO1	V – AUX
5	VIDEO2	
6	V - AUX	

FIG. 9

108. INPUT CODE TABLE

INPUT	INPUT SELECTOR SELECTION INPUT TERMINAL
0	CD
1	MD
2	DVD
3	TUNER
4	VIDEO1
5	VIDEO2
6	V – AUX

FIG. 10



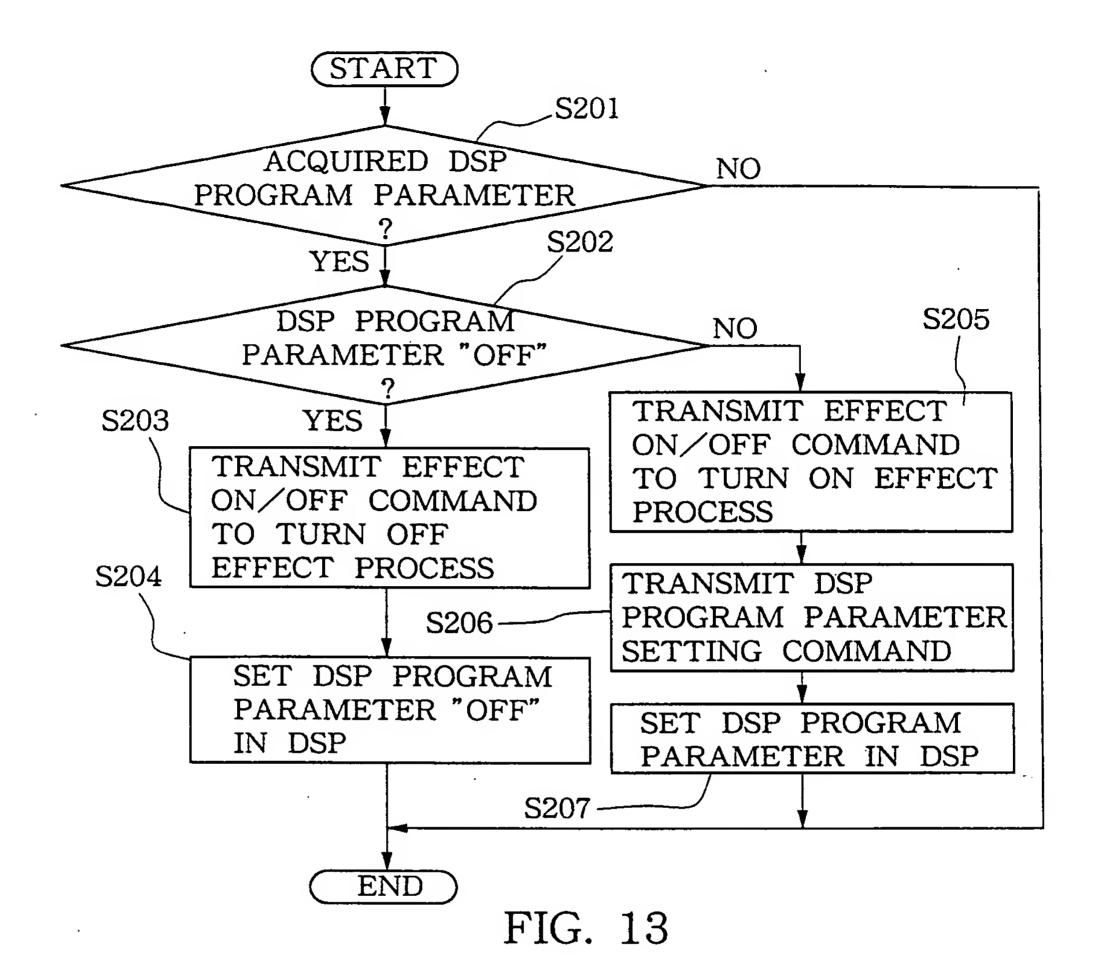
Group Art Unit: 2627
Title: SOUND RECORDING/REPRODUCING....

Attorney Name: Roger R. Wise Tel.: (213) 488-7100 Docket No.: 51270-305422 REPLACEMENT SHEET

109. DSP PROGRAM ASSOCIATING TABLE

MAJOR CLASS OF DSP PROGRAM PARAMETER	MODEL ID "1" DSP PROGRAM PARAMETER	MODEL ID "2" DSP PROGRAM PARAMETER
HALL	HALL A	HALL
HALL	FALL B	
	CHURCH A	
CHURCH	CHURCH B	
		CHURCH
JAZZ	JAZZ	JAZZ
DOCK	ROCK	
ROCK	·	ROCK
	SCI – FI	SCI – FI
CINEMA	ADVENTURE	ADVENTURE
	GENERAL	GENERAL
] 	1	1

Attorney Name: Roger R. Wise Tel.: (213) 488-7100 Docket No.: 51270-305422 REPLACEMENT SHEET



101a. MUSIC PIECE RULE TABLE

MUSIC	PROCESSING	DSP PROGRAM	MODEL
PIECE ID	START TIME	PARAMETER	ID
	0:00	SCT - FI	1
1	2:30	OFF	1
4:10		GENERAL	1
3	0:00	JAZZ	1
7	0:00	HALL A	1
,	1:30	HALL B	1
1	!	!	ı
		·	
i	1		

FIG. 14

Group Art Unit: 2627 Title: SOUND RECORDING/REPRODUCING.... Attorney Name: Roger R. Wise Tel.: (213) 488-7100 Docket No.: 51270-305422 REPLACEMENT SHEET 10/18 START **S11** SELECT EACH MUSIC PIECE TO BE REPRODUCED S12 IS SELECTOR CURRENTLY NO SELECTING RECORDING/REPRODUCING APPRATUS ? S13a YES ACQUIRE DSP PROGRAM PARAMETER **S14** SET DSP PROGRAM PARAMETER READ OUT SOUND DATA ·S15 **S16** HAS SELECTOR SHIFTED NO TO RECORDING/REPRODUCING APPARATUS ? S17a YES. S18 ACQUIRE DSP PROGRAM PARAMETER SET DSP PROGRAM PARAMETER S23 NO TIMES COINCIDED ? YES | S24 SET DSP PROGRAM PARAMETER **-**S19 NO EFFECT PROCESS CHANGED ? YES S20a UPDATE MUSIC PIECE RULE TABLE S21 REPRODUCTION NO OF MUSIC PIECE COMPLETED ? YES **S22** REPRODUCTION NO OF ALL THE MUSIC PIECES COMPLETED ? YES. FIG. 15 **END**

PILLSBURY WINTHROP SHAW PITTMAN LLP Serial No.: 10/643,422 - Confirmation No. 4553

Attorney Name: Roger R. Wise Tel.: (213) 488-7100 Docket No.: 51270-305422 REPLACEMENT SHEET

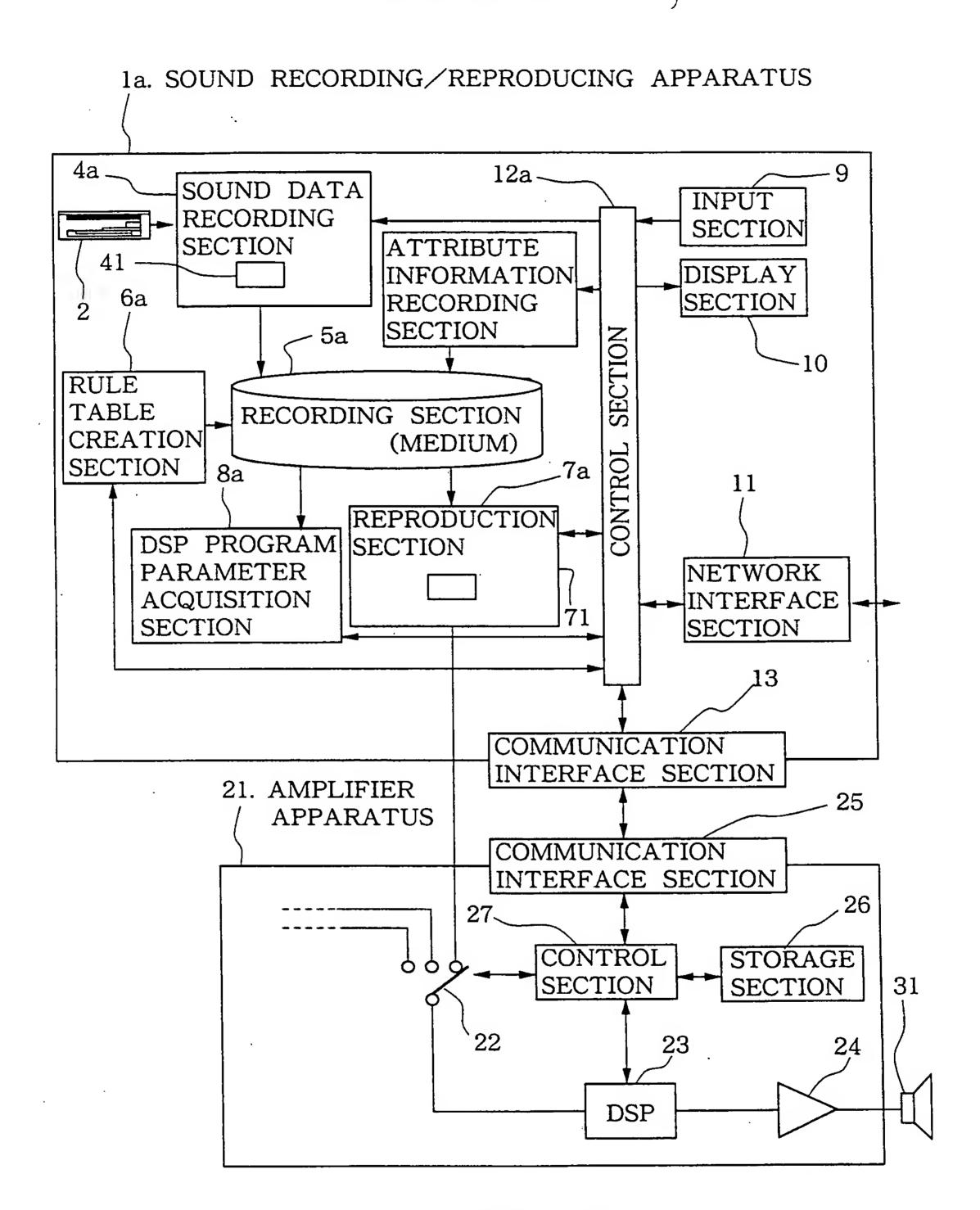


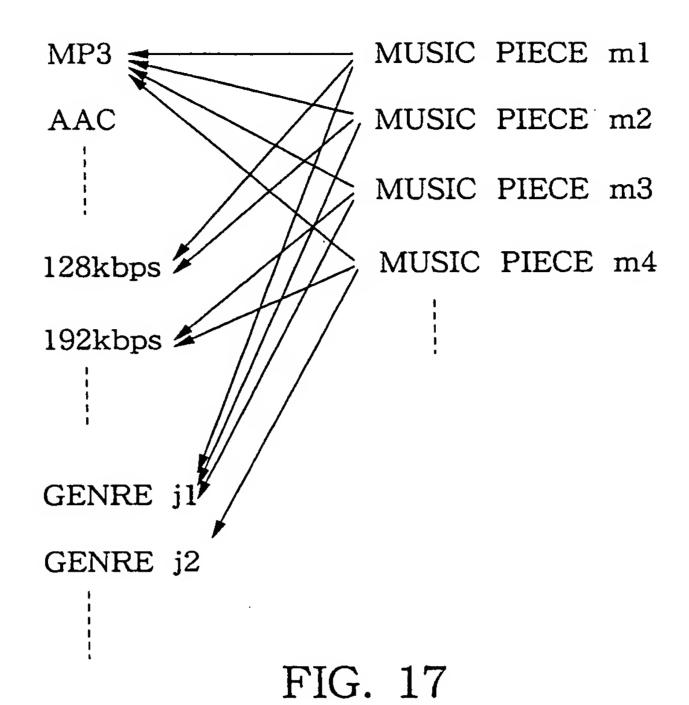
FIG. 16

Group Art Unit: 2627

Title: SOUND RECORDING/REPRODUCING.... Attorney Name: Roger R. Wise

Tel.: (213) 488-7100 Docket No.: 51270-305422

REPLACEMENT SHEET



110. RULE TABLE

MUSIC PIECE ID	FORMAT	BIT RATE	GENRE ID	DSP PROGRAM PARAMETER	MODEL ID
1	МР3	128kbps	2	EQUALIZE A	1
4	МР3	192kbps	3	EQUALIZE B	· 1
1	 		1	 - - - -	1 1 1

FIG. 18

PILLSBURY WINTHROP SHAW PITTMAN LLP
Serial No.: 10/643,422 - Confirmation No. 4553
Group Art Unit: 2627
Title: SOUND RECORDING/REPRODUCING....
Attorney Name: Roger R. Wise
Tel.: (213) 488-7100 Docket No.: 51270-305422
REPLACEMENT SHEET

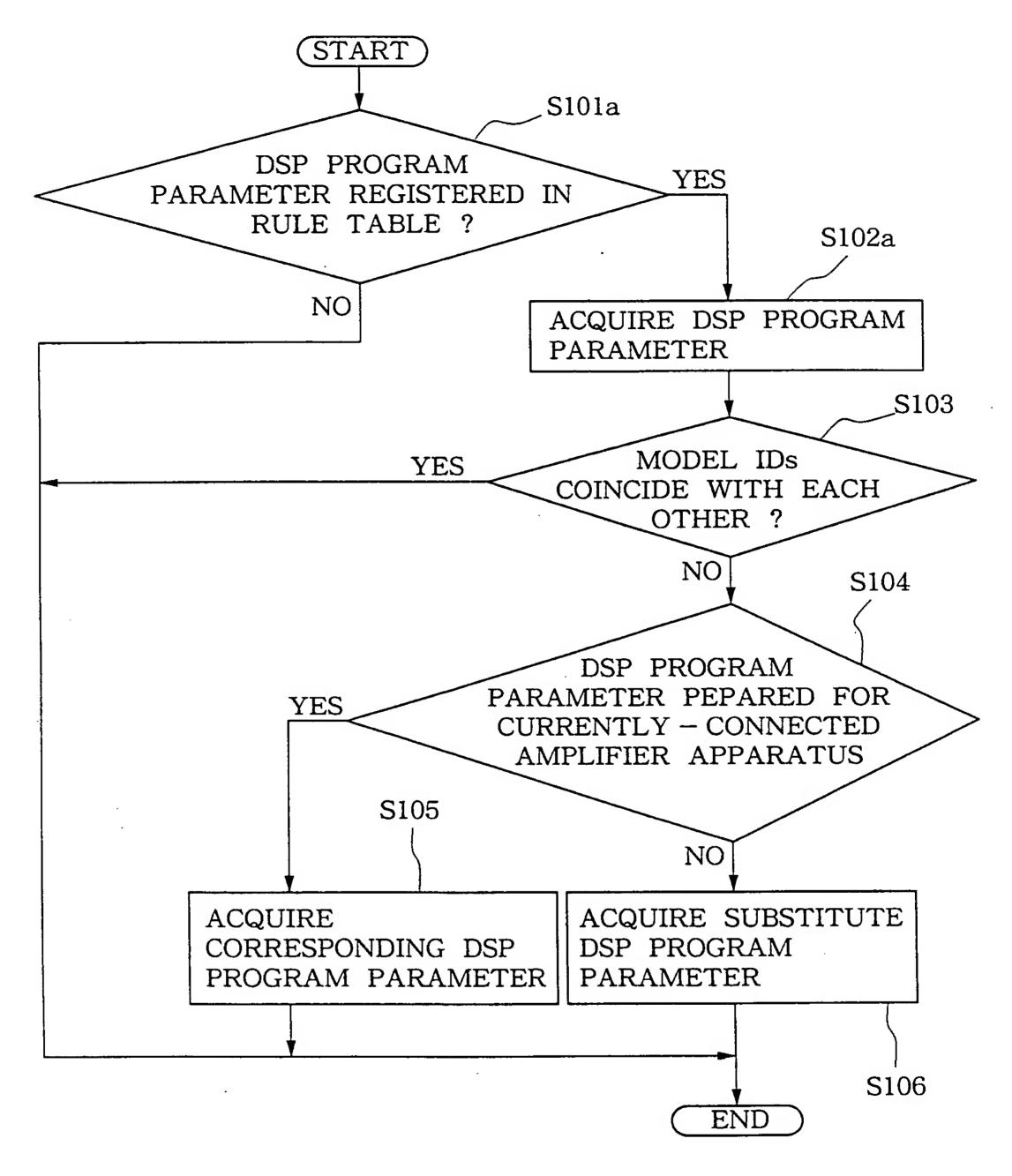
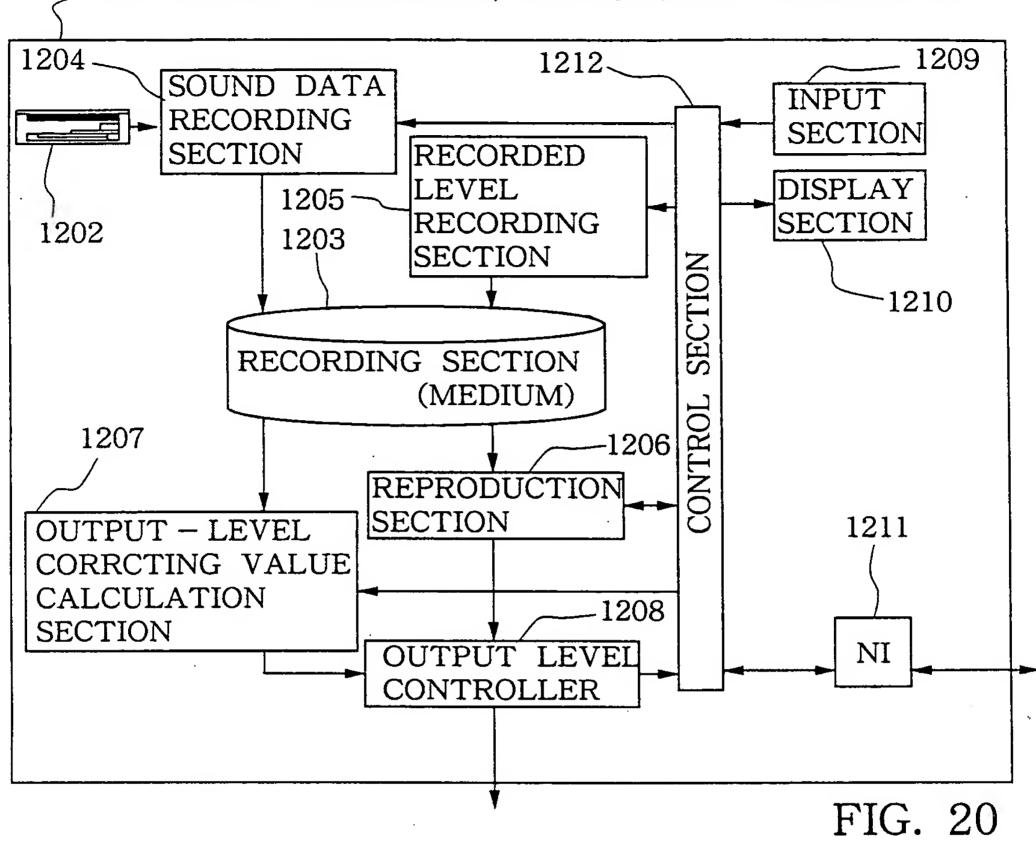
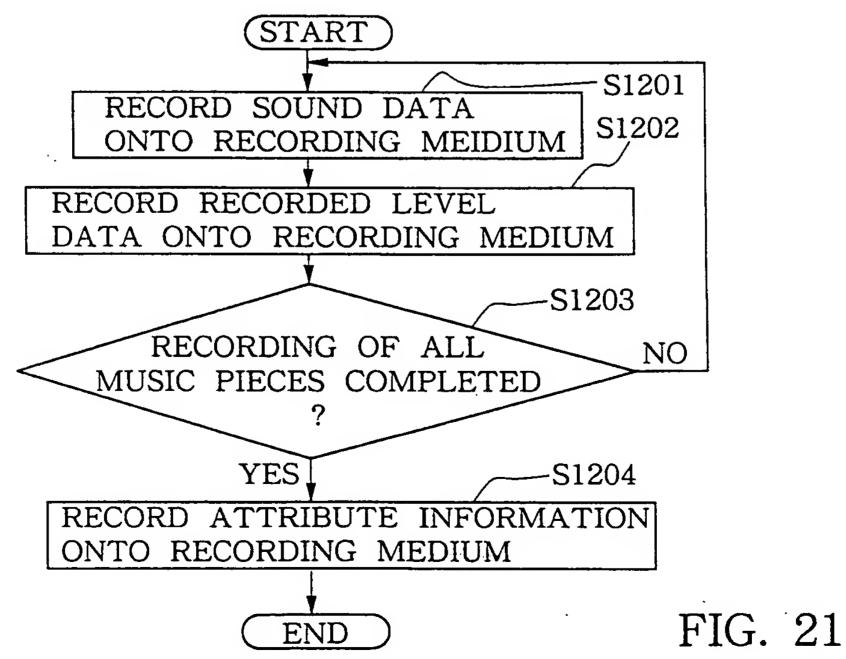


FIG. 19

Attorney Name: Roger R. Wise Tel.: (213) 488-7100 Docket No.: 51270-305422 REPLACEMENT SHEET

1201. SOUND RECORDING/REPRODUCING APPARATUS





Title: SOUND RECORDING/REPRODUCING.... Attorney Name: Roger R. Wise Tel.: (213) 488-7100 Docket No.: 51270-305422 REPLACEMENT SHEET START) S1211 SELECT MUSIC PIECE GROUP TO BE REPRODUCED -S1212 DETERMINE REFERENCE RECORDED LEVEL S1213 CALCULATE AVERAGE - RECORDED - LEVEL CORRECTING VALUE CAVm & MAXIMUM -RECORDED - LEVEL CORRECTING VALUE CPEm - S1214 NO CAVm ≤ CPEm ? S1216 S1215 YES, SET CAVm AS OUTPUT - LEVEL SET CPEm AS COLm CORRECTING VALUE COLm READ OUT SOUND DATA S1217 S1220 S1218 SET OUTPUT LEVEL VOLUME VALUE & OUTPUT PRODUCT OF SOUND DATA & OUTPUT CHANGE REFERENCE LEVEL VALUE VOLUME VALUE S1219 USER YES MANIPULATED VOLUME CONTROL ? NO S1221 REPRODUCTION NO OF MUSIC PIECE COMPLETED ? YES S1222 REPRODUCTION NO ALL THE MUSIC PIECES **COMPLETED** YES. RETURN OUTPUT LEVEL VOLUME S1223 VALUE TO REFERENCE VOLUME VALUE FIG. 22 **END**

PILLSBURY WINTHROP SHAW PITTMAN LLP Serial No.: 10/643,422 - Confirmation No. 4553 Group Art Unit: 2627

Attorney Name: Roger R. Wise Tel.: (213) 488-7100 Docket No.: 51270-305422 REPLACEMENT SHEET

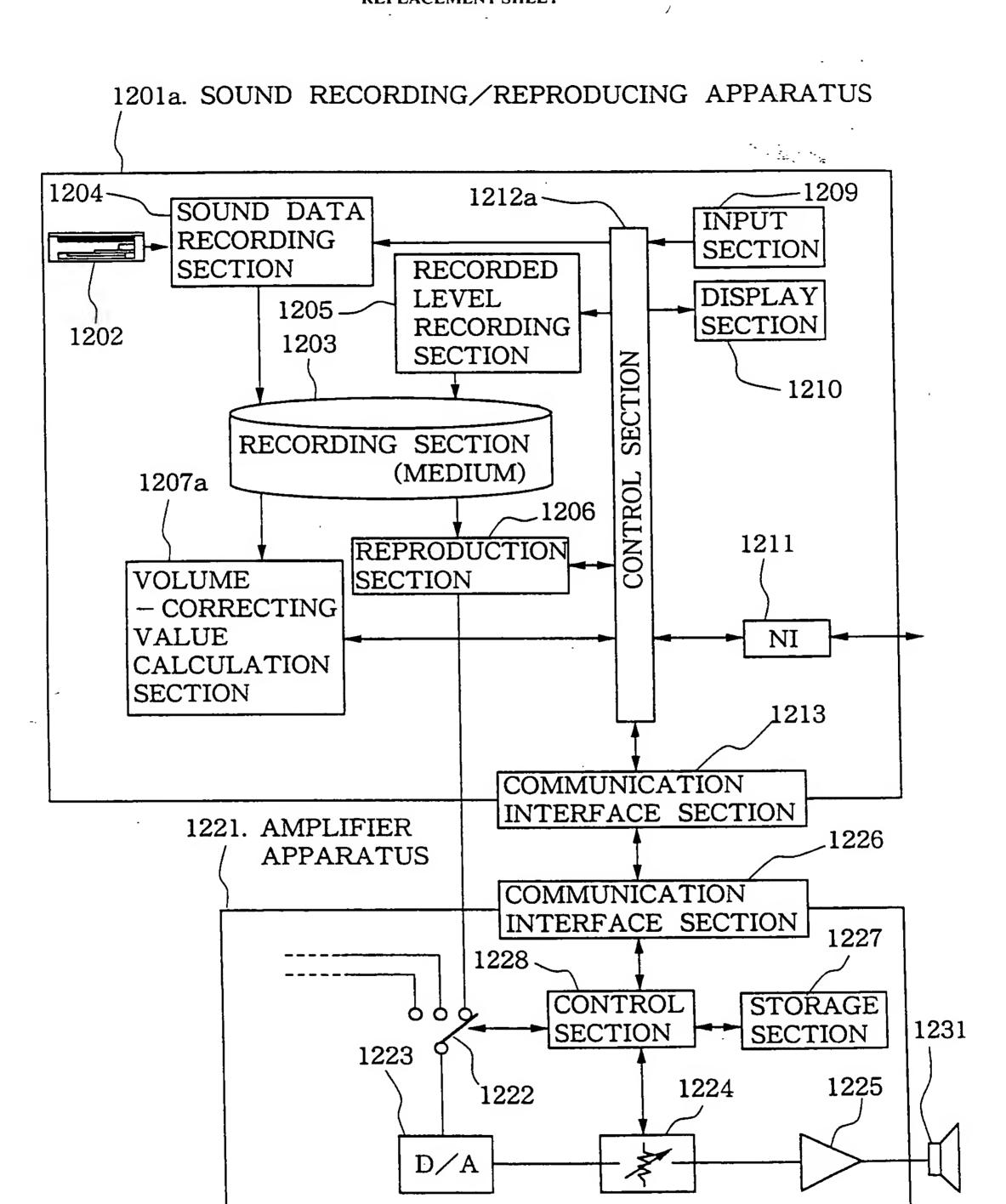


FIG. 23

Title: SOUND RECORDING/REPRODUCING.... Attorney Name: Roger R. Wise Tel.: (213) 488-7100 Docket No.: 51270-305422 REPLACEMENT SHEET 17/18 **START** ·S1231 SELECT MUSIC PIECE GROUP TO BE REPRODUCED ·S1232 DETERMINE REFERENCE RECORDED LEVEL CALCULATE AVERAGE - RECORDED - LEVEL S1233 CORRECTING VALUE CAVm & MAXIMUM -RECORDED - LEVEL CORRECTING VALUE CPEm S1234 NO CAVm ≤ CPEm S1236 S1235 YES, SET CPEm AS CVOm SET CAVm AS CVOm READ OUT SOUND DATA S1237 S1238 SELECTOR S1241 NO CURRENTLY SELECTING APPAPATUS 1201a CHANGE REFERENCE YES **VOLUME VALUE** VOLUME VALUE SET S1239 S1240 USER YES MANIPULATED VOLUME CONTROL ? NO S1242 REPRODUCTION NO OF MUSIC PIECE COMPLETED YES S1243 REPRODUCTION NO OF ALL THE MUSIC PIECES COMPLETED YES RETURN VOLUME VALUE TO S1244 REFERENCE VOLUME VALUE FIG. 24 **END**

PILLSBURY WINTHROP SHAW PITTMAN LLP Serial No.: 10/643,422 - Confirmation No. 4553 Group Art Unit: 2627

Group Art Unit: 2627

Title: SOUND RECORDING/REPRODUCING....

Attorney Name: Roger R. Wise Tel.: (213) 488-7100 Docket No.: 51270-305422 REPLACEMENT SHEET

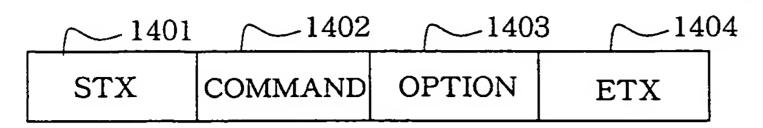


FIG. 25A

1501	1502	1503	1504	1505
STX	MODEL ID	VOLUME	INPUT SELECTOR	ETX

FIG. 25B

1301. INPUT CODE TABLE

1 - 20021 -	O 1001. II II O I OOBE TIIBEE				
INPUT CODE	MODEL ID "1" INPUT SELECTOR SELECTION INPUT TERMINAL	MODEL ID "2" INPUT SELECTOR SELECTION INPUT TERMINAL			
0	CD	CD			
1	MD	MD			
2	DVD	DVD			
3	TUNER	VIDEO			
4	VIDEO 1	V – AUX			
5	VIDEO 2				
6	V - AUX				

FIG. 26

∼1302. INPUT CODE TABLE

INPUT	INPUT SELECTOR SELECTION INPUT TERMINAL
0	CD
1	MD
2	DVD
3	TUNER
4	VIDEO 1
5	VIDEO 2
6	V – AUX

FIG. 27